

## STA-20-15-F1-C-1.2

### V-Band Fixed Attenuator, 20 dB, Insertion Length 1.2”

**STA-20-15-F1-C-1.2** is a compact fixed attenuator with insertion length of 1.2”. The attenuator is used in millimeterwave systems and operates from 50 to 75 GHz. The attenuator has a fixed attenuation value of 20 dB at the center frequency, 62.5 GHz. While the attenuator is designed and fabricated for full waveguide band applications, the attenuation value of this model does show a minor slope within the band due to its distinct mechanical configuration. Various attenuation values are available under different model numbers.



#### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	50 GHz		75 GHz
Attenuation @ 62.5 GHz		20 dB	
Return Loss		20 dB	
Power Handling			0.5 W (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

#### Mechanical Specifications:

Item	Specification
RF Ports	WR-15 Waveguide with UG-385/U Anti-Cocking Flange
Setting Type	Fixed
Insertion Length	1.20”
Material	Aluminum
Finish	Gold Plated
Weight	0.4 Oz
Outline	WF-BV-A

#### ECCN

EAR99

#### FEATURES

- Full Band Coverage
- Compact Size
- Accurate Attenuation Value at Center Frequency
- Low Insertion Loss

#### APPLICATIONS

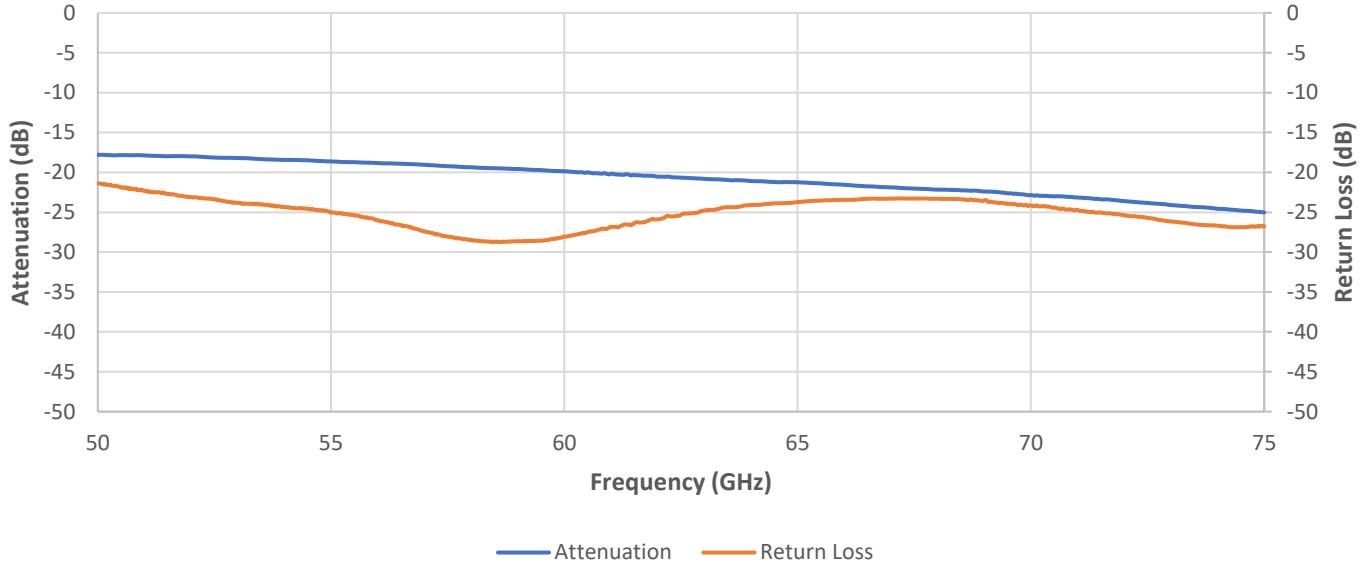
- Test Lab
- Instrumentations
- System Integration

#### SUPPLEMENTAL DETAILS

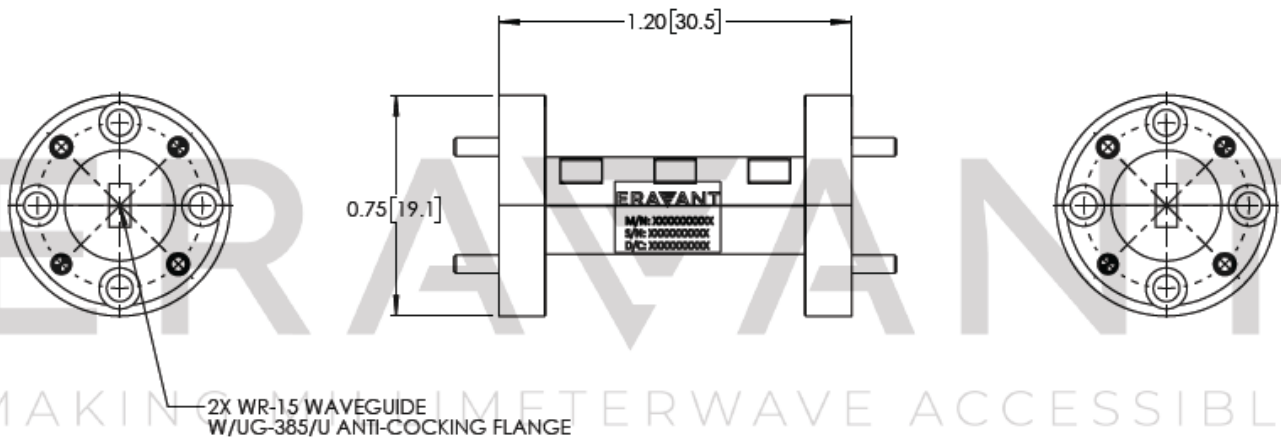


## STA-20-15-F1-C-1.2

### Typical Performance vs. Frequency



**Mechanical Outline:** (Unless otherwise specified, all dimensions are in inches [millimeters])



**NOTE:**

- All data presented is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room temperature.
- Eravant reserves the right to change the information presented without notice.

**CAUTION:**

- Exceeding absolute maximum ratings will damage the device.
- Any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.